



Supported RFCs

FortiOS 7.4



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FortiOS 7.4 Supported RFCs

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TABLE OF CONTENTS

Change Log	4
What's new	5
FortiOS 7.4.1	5
FortiOS 7.4.0	5
Supported RFCs	6
BGP	6
Cryptography	7
DHCP	8
Diffserv	8
DNS	8
ICMP	9
IP	9
IP multicast	9
IPsec	10
IPv4	10
IPv6	10
IS-IS	11
LDAP	11
NAT	11
OSPF	11
PPP	12
RADIUS	12
RIP	12
SFTP	13
SIP	13
SNMP	13
SSH	14
SSL	14
TACAS	14
TCP	14
TLS	15
VPN	15
Wireless	15
Other protocols	15
Miscellaneous	16

Change Log

Date	Change Description
2023-05-11	Initial release of the document for FortiOS 7.4.x.
2023-05-15	Added RFC 8305 to Miscellaneous on page 16 . Added RFC 6887 to Other protocols on page 15 .
2023-07-24	Updated RFC 4724 on BGP on page 6 .
2023-08-31	Added RFC 7030 to Cryptography on page 7 .

What's new

This document lists the RFCs that FortiOS 7.4 supports.

This section identifies which version of FortiOS 7.4.x introduces support for various RFCs.

FortiOS 7.4.1

FortiOS 7.4.1 introduces support for the following RFCs:

- [RFC 7030](#): Enrollment over Secure Transport

FortiOS 7.4.0

FortiOS 7.4.0 introduces support for the following RFCs:

- [RFC 8365](#): A Network Virtualization Overlay Solution Using Ethernet VPN (EVPN)
Partial support. For details, see the [FortiOS 7.4 Administration Guide](#).
- [RFC 8305](#): Happy Eyeballs Version 2: Better Connectivity Using Concurrency
- [RFC 7432](#): BGP MPLS-Based Ethernet VPN
Partial support. For details, see the [FortiOS 7.4 Administration Guide](#).
- [RFC 6887](#): Port Control Protocol (PCP)
- [RFC 6614](#): Transport Layer Security (TLS) Encryption for RADIUS
- [RFC 6613](#): RADIUS over TCP

Supported RFCs

FortiOS supports the following RFCs:

BGP	IPv6 on page 10	SNMP on page 13
Cryptography	IS-IS on page 11	SSH on page 14
DHCP	LDAP	SSL
Diffserv	NAT	TACAS on page 14
DNS	OSPF	TCP
ICMP	PPP	TLS
IP	RADIUS	VPN
IP multicast	RIP	Wireless
IPsec	SFTP	Other protocols
IPv4	SIP	Miscellaneous

BGP

- [RFC 7911](#): Advertisement of Multiple Paths in BGP
- [RFC 7606](#): Revised Error Handling for BGP UPDATE Messages
- [RFC 7432](#): BGP MPLS-Based Ethernet VPN
Partial support. For details, see the [FortiOS 7.4 Administration Guide](#).
- [RFC 5396](#): Textual Representation of Autonomous System (AS) Numbers
- [RFC 4760](#): Multiprotocol Extensions for BGP-4
- [RFC 4724](#): Graceful Restart Mechanism for BGP
Partial support. For details, see the [FortiOS 7.4 Administration Guide](#).
- [RFC 4456](#): BGP Route Reflection: An Alternative to Full Mesh Internal BGP (IBGP)
- [RFC 4360](#): BGP Extended Communities Attribute
- [RFC 4271](#): A Border Gateway Protocol 4 (BGP-4)
- [RFC 3392](#): Capabilities Advertisement with BGP-4
- [RFC 2918](#): Route Refresh Capability for BGP-4
- [RFC 2545](#): Use of BGP-4 Multiprotocol Extensions for IPv6 Inter-Domain Routing
- [RFC 2439](#): BGP Route Flap Damping
- [RFC 1997](#): BGP Communities Attribute
- [RFC 1930](#): Guidelines for creation, selection, and registration of an Autonomous System (AS)
- [RFC 1772](#): Application of the Border Gateway Protocol in the Internet

Cryptography

- [RFC 8031](#): Curve25519 and Curve448 for the Internet Key Exchange Protocol Version 2 (IKEv2) Key Agreement
- [RFC 7634](#): ChaCha20, Poly1305, and Their Use in the Internet Key Exchange Protocol (IKE) and IPsec
- [RFC 7627](#): Transport Layer Security (TLS) Session Hash and Extended Master Secret Extension
- [RFC 7539](#): ChaCha20 and Poly1305 for IETF Protocols
- [RFC 7427](#): Signature Authentication in the Internet Key Exchange Version 2 (IKEv2)
- [RFC 7383](#): Internet Key Exchange Protocol Version 2 (IKEv2) Message Fragmentation
- [RFC 7296](#): Internet Key Exchange Protocol Version 2 (IKEv2)
- [RFC 7030](#): Enrollment over Secure Transport
- [RFC 7027](#): Elliptic Curve Cryptography (ECC) Brainpool Curves for Transport Layer Security (TLS)
- [RFC 6989](#): Additional Diffie-Hellman Tests for the Internet Key Exchange Protocol Version 2 (IKEv2)
- [RFC 6954](#): Using the Elliptic Curve Cryptography (ECC) Brainpool Curves for the Internet Key Exchange Protocol Version 2 (IKEv2)
- [RFC 6290](#): A Quick Crash Detection Method for the Internet Key Exchange Protocol (IKE)
- [RFC 6023](#): A Childless Initiation of the Internet Key Exchange Version 2 (IKEv2) Security Association (SA)
- [RFC 5723](#): Internet Key Exchange Protocol Version 2 (IKEv2) Session Resumption
- [RFC 5282](#): Using Authenticated Encryption Algorithms with the Encrypted Payload of the Internet Key Exchange version 2 (IKEv2) Protocol
- [RFC 5280](#): Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile
- [RFC 4754](#): IKE and IKEv2 Authentication Using the Elliptic Curve Digital Signature Algorithm (ECDSA)
- [RFC 4635](#): HMAC SHA TSIG Algorithm Identifiers
- [RFC 4492](#): Elliptic Curve Cryptography (ECC) Cipher Suites for Transport Layer Security (TLS)
- [RFC 4478](#): Repeated Authentication in Internet Key Exchange (IKEv2) Protocol
- [RFC 4106](#): The Use of Galois/Counter Mode (GCM) in IPsec Encapsulating Security Payload (ESP)
- [RFC 3947](#): Negotiation of NAT-Traversal in the IKE
- [RFC 3602](#): The AES-CBC Cipher Algorithm and Its Use with IPsec
- [RFC 3526](#): More Modular Exponential (MODP) Diffie-Hellman groups for Internet Key Exchange (IKE)
- [RFC 2986](#): PKCS #10: Certification Request Syntax Specification Version 1.7
- [RFC 2845](#): Secret Key Transaction Authentication for DNS (TSIG)
- [RFC 2631](#): Diffie-Hellman Key Agreement Method
- [RFC 2451](#): The ESP CBC-Mode Cipher Algorithms
- [RFC 2410](#): The NULL Encryption Algorithm and Its Use With IPsec
- [RFC 2405](#): The ESP DES-CBC Cipher Algorithm With Explicit IV
- [RFC 2404](#): The Use of HMAC-SHA-1-96 within ESP and AH
- [RFC 2403](#): The Use of HMAC-MD5-96 within ESP and AH
- [RFC 2315](#): PKCS #7: Cryptographic Message Syntax Version 1.5
- [RFC 2104](#): HMAC: Keyed-Hashing for Message Authentication
- [RFC 2085](#): HMAC-MD5 IP Authentication with Replay Prevention
- [RFC 1422](#): Privacy Enhancement for Internet Electronic Mail: Part II: Certificate-Based Key Management
- [RFC 1321](#): The MD5 Message-Digest Algorithm
- [PKCS #12](#): PKCS 12 v1: Personal Information Exchange Syntax

DHCP

- [RFC 4361](#): Node-specific Client Identifiers for Dynamic Host Configuration Protocol Version Four (DHCPv4)
- [RFC 3736](#): Stateless Dynamic Host Configuration Protocol (DHCP) Service for IPv6
- [RFC 3633](#): IPv6 Prefix Options for Dynamic Host Configuration Protocol (DHCP) version 6
- [RFC 3456](#): Dynamic Host Configuration Protocol (DHCPv4) Configuration of IPsec Tunnel Mode
- [RFC 3315](#): Dynamic Host Configuration Protocol for IPv6 (DHCPv6)
- [RFC 2132](#): DHCP Options and BOOTP Vendor Extensions
- [RFC 2131](#): Dynamic Host Configuration Protocol

Diffserv

- [RFC 3260](#): New Terminology and Clarifications for Diffserv
- [RFC 2597](#): Assured Forwarding PHB Group
- [RFC 2475](#): An Architecture for Differentiated Services
- [RFC 2474](#): Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers

DNS

- [RFC 8310](#): Usage Profiles for DNS over (D)TLS
- [RFC 6895](#): Domain Name System (DNS) IANA Considerations
- [RFC 6604](#): xNAME RCODE and Status Bits Clarification
- [RFC 6147](#): DNS64: DNS Extensions for Network Address Translation from IPv6 Clients to IPv4 Servers
- [RFC 4592](#): The Role of Wildcards in the Domain Name System
- [RFC 4035](#): Protocol Modifications for the DNS Security Extensions
- [RFC 4034](#): Resource Records for the DNS Security Extensions
- [RFC 4033](#): DNS Security Introduction and Requirements
- [RFC 3597](#): Handling of Unknown DNS Resource Record (RR) Types
- [RFC 3226](#): DNSSEC and IPv6 A6 aware server/resolver message size requirements
- [RFC 3007](#): Secure Domain Name System (DNS) Dynamic Update
- [RFC 2308](#): Negative Caching of DNS Queries (DNS NCACHE)
- [RFC 2181](#): Clarifications to the DNS Specification
- [RFC 2136](#): Dynamic Updates in the Domain Name System (DNS UPDATE)
- [RFC 1996](#): A Mechanism for Prompt Notification of Zone Changes (DNS NOTIFY)
- [RFC 1995](#): Incremental Zone Transfer in DNS
- [RFC 1982](#): Serial Number Arithmetic
- [RFC 1876](#): A Means for Expressing Location Information in the Domain Name System
- [RFC 1706](#): DNS NSAP Resource Records
- [RFC 1183](#): New DNS RR Definitions
- [RFC 1101](#): DNS Encoding of Network Names and Other Types

- [RFC 1035](#): Domain Names - Implementation and Specification
- [RFC 1034](#): Domain Names - Concepts and Facilities

ICMP

- [RFC 6918](#): Formally Deprecating Some ICMPv4 Message Types
- [RFC 6633](#): Deprecation of ICMP Source Quench Messages
- [RFC 4884](#): Extended ICMP to Support Multi-Part Messages
- [RFC 4443](#): Internet Control Message Protocol (ICMPv6) for the Internet Protocol Version 6 (IPv6) Specification
- [RFC 1191](#): Path MTU Discovery
- [RFC 792](#): Internet Control Message Protocol

IP

- [RFC 5798](#): Virtual Router Redundancy Protocol (VRRP) Version 3 for IPv4 and IPv6
- [RFC 4301](#): Security Architecture for the Internet Protocol
- [RFC 3272](#): Overview and Principles of Internet Traffic Engineering
- [RFC 3168](#): The Addition of Explicit Congestion Notification (ECN) to IP
- [RFC 2072](#): Router Renumbering Guide
- [RFC 2071](#): Network Renumbering Overview: Why would I want it and what is it anyway?
- [RFC 2003](#): IP Encapsulation within IP
- [RFC 1918](#): Address Allocation for Private Internets
- [RFC 1123](#): Requirements for Internet Hosts -- Application and Support
- [RFC 1122](#): Requirements for Internet Hosts -- Communication Layers
- [RFC 791](#): Internet Protocol

IP multicast

- [RFC 4604](#): Using Internet Group Management Protocol Version 3 (IGMPv3) and Multicast Listener Discovery Protocol Version 2 (MLDv2) for Source-Specific Multicast
- [RFC 3973](#): Protocol Independent Multicast - Dense Mode (PIM-DM): Protocol Specification (Revised)
- [RFC 3956](#): Embedding the Rendezvous Point (RP) Address in an IPv6 Multicast Address
- [RFC 3306](#): Unicast-Prefix-based IPv6 Multicast Addresses
- [RFC 2365](#): Administratively Scoped IP Multicast
- [RFC 1112](#): Host Extensions for IP Multicasting

IPsec

- [RFC 4304](#): Extended Sequence Number (ESN) Addendum to IPsec Domain of Interpretation (DOI) for Internet Security Association and Key Management Protocol (ISAKMP)
- [RFC 4303](#): IP Encapsulating Security Payload (ESP)
- [RFC 3706](#): A Traffic-Based Method of Detecting Dead Internet Key Exchange (IKE) Peers

IPv4

- [RFC 6864](#): Updated Specification of the IPv4 ID Field
- [RFC 5177](#): Network Mobility (NEMO) Extensions for Mobile IPv4
- [RFC 4632](#): Classless Inter-domain Routing (CIDR): The Internet Address Assignment and Aggregation Plan
- [RFC 3927](#): Dynamic Configuration of IPv4 Link-Local Addresses
- [RFC 3021](#): Using 31-Bit Prefixes on IPv4 Point-to-Point Links
- [RFC 1812](#): Requirements for IP Version 4 Routers

IPv6

- [RFC 7761](#): Protocol Independent Multicast - Sparse Mode (PIM-SM): Protocol Specification (Revised)
- [RFC 6343](#): Advisory Guidelines for 6to4 Deployment
- [RFC 5175](#): IPv6 Router Advertisement Flags Option
- [RFC 5095](#): Deprecation of Type 0 Routing Headers in IPv6
- [RFC 4941](#): Privacy Extensions for Stateless Address Autoconfiguration in IPv6
- [RFC 4862](#): IPv6 Stateless Address Autoconfiguration
- [RFC 4861](#): Neighbor Discovery for IP version 6 (IPv6)
- [RFC 4389](#): Neighbor Discovery Proxies (ND Proxy)
- [RFC 4291](#): IP Version 6 Addressing Architecture
- [RFC 4213](#): Basic Transition Mechanisms for IPv6 Hosts and Routers
- [RFC 4193](#): Unique Local IPv6 Unicast Addresses
- [RFC 4007](#): IPv6 Scoped Address Architecture
- [RFC 3971](#): SEcure Neighbor Discovery (SEND)
- [RFC 3810](#): Multicast Listener Discovery Version 2 (MLDv2) for IPv6
- [RFC 3596](#): DNS Extensions to Support IP Version 6
- [RFC 3587](#): IPv6 Global Unicast Address Format
- [RFC 3493](#): Basic Socket Interface Extensions for IPv6
- [RFC 3484](#): Default Address Selection for Internet Protocol version 6 (IPv6)
- [RFC 3056](#): Connection of IPv6 Domains via IPv4 Clouds
- [RFC 3053](#): IPv6 Tunnel Broker
- [RFC 2894](#): Router Renumbering for IPv6
- [RFC 2675](#): IPv6 Jumbograms
- [RFC 2464](#): Transmission of IPv6 Packets over Ethernet Networks

- [RFC 2460](#): Internet Protocol, Version 6 (IPv6) Specification
- [RFC 2185](#): Routing Aspects Of IPv6 Transition
- [RFC 1981](#): Path MTU Discovery for IP version 6
- [RFC 1752](#): The Recommendation for the IP Next Generation Protocol
- [RFC 8200](#): Internet Protocol, Version 6 (IPv6) Specification
- [RFC 8201](#): Path MTU Discovery for IP version 6

IS-IS

- [RFC 5310](#): IS-IS Generic Cryptographic Authentication
- [RFC 5308](#): Routing IPv6 with IS-IS
- [RFC 3359](#): Reserved Type, Length and Value (TLV) Codepoints in Intermediate System to Intermediate System
- [RFC 1195](#): Use of OSI IS-IS for Routing in TCP/IP and Dual Environments

LDAP

- [RFC 4513](#): Lightweight Directory Access Protocol (LDAP): Authentication Methods and Security Mechanisms
- [RFC 4512](#): Lightweight Directory Access Protocol (LDAP): Directory Information Models
- [RFC 4511](#): Lightweight Directory Access Protocol (LDAP): The Protocol
- [RFC 3494](#): Lightweight Directory Access Protocol version 2 (LDAPv2) to Historic Status

NAT

- [RFC 7857](#): Updates to Network Address Translation (NAT) Behavioral Requirements
- [RFC 6888](#): Common Requirements for Carrier-Grade NATs (CGNs)
- [RFC 6146](#): Stateful NAT64: Network Address and Protocol Translation from IPv6 Clients to IPv4 Servers
- [RFC 5508](#): NAT Behavioral Requirements for ICMP
- [RFC 5382](#): NAT Behavioral Requirements for TCP
- [RFC 4966](#): Reasons to Move the Network Address Translator - Protocol Translator (NAT-PT) to Historic Status
- [RFC 4787](#): Network Address Translation (NAT) Behavioral Requirements for Unicast UDP
- [RFC 4380](#): Teredo: Tunneling IPv6 over UDP through Network Address Translations (NATs)
- [RFC 3948](#): UDP Encapsulation of IPsec ESP Packets
- [RFC 3022](#): Traditional IP Network Address Translator (Traditional NAT)

OSPF

- [RFC 6860](#): Hiding Transit-Only Networks in OSPF
- [RFC 6845](#): OSPF Hybrid Broadcast and Point-to-Multipoint Interface Type

- [RFC 5709](#): OSPFv2 HMAC-SHA Cryptographic Authentication
- [RFC 5340](#): OSPF for IPv6
- [RFC 5187](#): OSPFv3 Graceful Restart
- [RFC 4812](#): OSPF Restart Signaling
- [RFC 4811](#): OSPF Out-of-Band Link State Database (LSDB) Resynchronization
- [RFC 4552](#): Authentication/Confidentiality for OSPFv3
- [RFC 4203](#): OSPF Extensions in Support of Generalized Multi-Protocol Label Switching (GMPLS)
- [RFC 3630](#): Traffic Engineering (TE) Extensions to OSPF Version 2
- [RFC 3623](#): Graceful OSPF Restart
- [RFC 3509](#): Alternative Implementations of OSPF Area Border Routers
- [RFC 3101](#): The OSPF Not-So-Stubby Area (NSSA) Option
- [RFC 2328](#): OSPF Version 2
- [RFC 1765](#): OSPF Database Overflow
- [RFC 1370](#): Applicability Statement for OSPF

PPP

- [RFC 2516](#): A Method for Transmitting PPP Over Ethernet (PPPoE)
- [RFC 2364](#): PPP Over AAL5
- [RFC 1661](#): The Point-to-Point Protocol (PPP)

RADIUS

- [RFC 6614](#): Transport Layer Security (TLS) Encryption for RADIUS
- [RFC 6613](#): RADIUS over TCP
- [RFC 5176](#): Dynamic Authorization Extensions to Remote Authentication Dial In User Service (RADIUS)
- [RFC 3580](#): IEEE 802.1X Remote Authentication Dial In User Service (RADIUS) Usage Guidelines
- [RFC 3576](#): Dynamic Authorization Extensions to Remote Authentication Dial In User Service (RADIUS)
- [RFC 2866](#): RADIUS Accounting
- [RFC 2548](#): Microsoft Vendor-specific RADIUS Attributes

RIP

- [RFC 4822](#): RIPv2 Cryptographic Authentication
- [RFC 2453](#): RIP Version 2
- [RFC 2080](#): RIPv2 for IPv6
- [RFC 1724](#): RIP Version 2 MIB Extension
- [RFC 1058](#): Routing Information Protocol

SFTP

- [draft-ietf-secsh-filexfer-00](#): SSH File Transfer Protocol
- [draft-ietf-secsh-filexfer-01](#): SSH File Transfer Protocol
- [draft-ietf-secsh-filexfer-02](#): SSH File Transfer Protocol
- [draft-ietf-secsh-filexfer-03](#): SSH File Transfer Protocol
- [draft-ietf-secsh-filexfer-04](#): SSH File Transfer Protocol
- [draft-ietf-secsh-filexfer-05](#): SSH File Transfer Protocol
- [draft-ietf-secsh-filexfer-06](#): SSH File Transfer Protocol
- [draft-ietf-secsh-filexfer-07](#): SSH File Transfer Protocol
- [draft-ietf-secsh-filexfer-08](#): SSH File Transfer Protocol
- [draft-ietf-secsh-filexfer-09](#): SSH File Transfer Protocol
- [draft-ietf-secsh-filexfer-10](#): SSH File Transfer Protocol
- [draft-ietf-secsh-filexfer-11](#): SSH File Transfer Protocol
- [draft-ietf-secsh-filexfer-12](#): SSH File Transfer Protocol
- [draft-ietf-secsh-filexfer-13](#): SSH File Transfer Protocol

SIP

- [RFC 3960](#): Early Media and Ringing Tone Generation in the Session Initiation Protocol (SIP)
- [RFC 3325](#): Private Extensions to the Session Initiation Protocol (SIP) for Asserted Identity within Trusted Networks
- [RFC 3262](#): Reliability of Provisional Responses in the Session Initiation Protocol (SIP)
- [RFC 3261](#): SIP: Session Initiation Protocol

SNMP

- [RFC 4293](#): Management Information Base for the Internet Protocol (IP)
- [RFC 4273](#): Definitions of Managed Objects for BGP-4
- [RFC 4113](#): Management Information Base for the User Datagram Protocol (UDP)
- [RFC 4022](#): Management Information Base for the Transmission Control Protocol (TCP)
- [RFC 3635](#): Definitions of Managed Objects for the Ethernet-like Interface Types
- [RFC 3417](#): Transport Mappings for the Simple Network Management Protocol (SNMP)
- [RFC 3416](#): Version 2 of the Protocol Operations for the Simple Network Management Protocol (SNMP)
- [RFC 3414](#): User-based Security Model (USM) for version 3 of the Simple Network Management Protocol (SNMPv3)
- [RFC 3413](#): Simple Network Management Protocol (SNMP) Applications
- [RFC 3412](#): Message Processing and Dispatching for the Simple Network Management Protocol (SNMP)
- [RFC 3411](#): An Architecture for Describing Simple Network Management Protocol (SNMP) Management Frameworks
- [RFC 3410](#): Introduction and Applicability Statements for Internet Standard Management Framework
- [RFC 2863](#): The Interfaces Group MIB
- [RFC 2578](#): Structure of Management Information Version 2 (SMIv2)

- [RFC 1238](#): CLNS MIB for use with Connectionless Network Protocol (ISO 8473) and End System to Intermediate System (ISO 9542)
- [RFC 1215](#): A Convention for Defining Traps for use with the SNMP
- [RFC 1213](#): Management Information Base for Network Management of TCP/IP-based internets: MIB-II
- [RFC 1212](#): Concise MIB Definitions
- [RFC 1157](#): A Simple Network Management Protocol (SNMP)
- [RFC 1156](#): Management Information Base for Network Management of TCP/IP-based internets
- [RFC 1155](#): Structure and Identification of Management Information for TCP/IP-based Internets

SSH

- [RFC 4254](#): The Secure Shell (SSH) Connection Protocol
- [RFC 4253](#): The Secure Shell (SSH) Transport Layer Protocol
- [RFC 4252](#): The Secure Shell (SSH) Authentication Protocol
- [RFC 4251](#): The Secure Shell (SSH) Protocol Architecture
- [RFC 4250](#): The Secure Shell (SSH) Protocol Assigned Numbers

SSL

- [RFC 6176](#): Prohibiting Secure Sockets Layer (SSL) Version 2.0
- [RFC 6101](#): The Secure Sockets Layer (SSL) Protocol Version 3.0

TACAS

- [RFC 8907](#): The Terminal Access Controller Access-Control System Plus (TACACS+) Protocol

TCP

- [RFC 1006](#): ISO Transport Service on top of the TCP Version: 3
- [RFC 6691](#): TCP Options and Maximum Segment Size (MSS)
- [RFC 6298](#): Computing TCP's Retransmission Timer
- [RFC 6093](#): On the Implementation of the TCP Urgent Mechanism
- [RFC 793](#): Transmission Control Protocol

TLS

- [RFC 8446](#): The Transport Layer Security (TLS) Protocol Version 1.3
- [RFC 7858](#): Specification for DNS over Transport Layer Security (TLS)
- [RFC 6347](#): Datagram Transport Layer Security Version 1.2
- [RFC 6066](#): Transport Layer Security (TLS) Extensions: Extension Definitions
- [RFC 5746](#): Transport Layer Security (TLS) Renegotiation Indication Extension
- [RFC 5425](#): Transport Layer Security (TLS) Transport Mapping for Syslog
- [RFC 5246](#): The Transport Layer Security (TLS) Protocol Version 1.2
- [RFC 4681](#): TLS User Mapping Extension
- [RFC 4680](#): TLS Handshake Message for Supplemental Data

VPN

- [RFC 4761](#): Virtual Private LAN Service (VPLS) Using BGP for Auto-Discovery and Signaling
- [RFC 4684](#): Constrained Route Distribution for Border Gateway Protocol/MultiProtocol Label Switching (BGP/MPLS) Internet Protocol (IP) Virtual Private Networks (VPNs)
- [RFC 4577](#): OSPF as the Provider/Customer Edge Protocol for BGP/MPLS IP Virtual Private Networks (VPNs)
- [RFC 4364](#): BGP/MPLS IP Virtual Private Networks (VPNs)
- [RFC 3715](#): IPsec-Network Address Translation (NAT) Compatibility Requirements

Wireless

- [RFC 5415](#): Control and Provisioning of Wireless Access Points (CAPWAP)
- [RFC 5416](#): Control and Provisioning of Wireless Access Points (CAPWAP) Protocol Binding for IEEE 802.11
- [RFC 5417](#): CAPWAP Access Controller DHCP Option
- [RFC 8110](#): Opportunistic Wireless Encryption (OWE)

Other protocols

- [RFC 9000](#): QUIC: A UDP-Based Multiplexed and Secure Transport
- [RFC 8484](#): DNS Queries over HTTPS (DoH)
- [RFC 8365](#): A Network Virtualization Overlay Solution Using Ethernet VPN (EVPN)
Partial support. For details, see the [FortiOS 7.4 Administration Guide](#).
- [RFC 7541](#): HPACK: Header Compression for HTTP/2
- [RFC 7540](#): Hypertext Transfer Protocol Version 2 (HTTP/2)
- [RFC 6887](#): Port Control Protocol (PCP)
- [RFC 6455](#): The WebSocket Protocol
- [RFC 5905](#): Network Time Protocol Version 4: Protocol and Algorithms Specification

- [RFC 5883](#): Bidirectional Forwarding Detection (BFD) for Multihop Paths
- [RFC 5424](#): The Syslog Protocol
- [RFC 5357](#): A Two-Way Active Measurement Protocol (TWAMP)
- [RFC 5214](#): Intra-Site Automatic Tunnel Addressing Protocol (ISATAP)
- [RFC 4975](#): The Message Session Relay Protocol (MSRP)
Both VoIP and IPS profiles must be configured in the firewall policy, and inspection mode must be flow.
- [RFC 4960](#): Stream Control Transmission Protocol
- [RFC 3435](#): Media Gateway Control Protocol (MGCP) Version 1.0
- [RFC 3376](#): Internet Group Management Protocol, Version 3
- [RFC 2890](#): Key and Sequence Number Extensions to GRE
- [RFC 2784](#): Generic Routing Encapsulation (GRE)
- [RFC 2661](#): Layer Two Tunneling Protocol "L2TP"
- [RFC 2637](#): Point-to-Point Tunneling Protocol (PPTP)
- [RFC 2412](#): The OAKLEY Key Determination Protocol
- [RFC 2225](#): Classical IP and ARP over ATM
- [RFC 2033](#): Local Mail Transfer Protocol
- [RFC 1928](#): SOCKS Protocol Version 5.
Supported when explicit proxy is implemented.
- [RFC 1413](#): Identification Protocol
- [RFC 1305](#): Network Time Protocol (Version 3) Specification, Implementation and Analysis
- [RFC 1011](#): Official Internet Protocols
- [RFC 959](#): File Transfer Protocol (FTP)
- [RFC 862](#): Echo Protocol
- [RFC 783](#): The TFTP Protocol (Revision 2)
- [RFC 768](#): User Datagram Protocol
- [The TACACS+ Protocol](#)

Miscellaneous

- [RFC 8555](#): Automatic Certificate Management Environment (ACME)
Supported only as a client.
- [RFC 8305](#): Happy Eyeballs Version 2: Better Connectivity Using Concurrency
- [RFC 7597](#): Mapping of Address and Port with Encapsulation (MAP-E)
- [RFC 7348](#): Virtual eXtensible Local Area Network (VXLAN): A Framework for Overlaying Virtualized Layer 2 Networks over Layer 3 Networks
- [RFC 4784](#): Verizon Wireless Dynamic Mobile IP Key Update for cdma2000(R) Networks for cdma2000(R) Networks
- [RFC 4470](#): Minimally Covering NSEC Records and DNSSEC On-line Signing
- [RFC 3985](#): Pseudo Wire Emulation Edge-to-Edge (PWE3) Architecture
- [RFC 3954](#): Cisco Systems NetFlow Services Export V9
Only NetFlow 9 is supported and not IPFIX.
- [RFC 2979](#): Behavior of and Requirements for Internet Firewalls
- [RFC 2827](#): Network Ingress Filtering: Defeating Denial of Service Attacks which employ IP Source Address Spoofing
- [RFC 2780](#): IANA Allocation Guidelines For Values In the Internet Protocol and Related Headers

- [RFC 2647](#): Benchmarking Terminology for Firewall Performance
- [RFC 2644](#): Changing the Default for Directed Broadcasts in Routers
- [RFC 2231](#): MIME Parameter Value and Encoded Word Extensions: Character Sets, Languages, and Continuations
- [RFC 1945](#): Hypertext Transfer Protocol -- HTTP/1.0
- [RFC 950](#): Internet Standard Subnetting Procedure
- [RFC 905](#): ISO Transport Protocol Specification ISO DP 8073
- [RFC 894](#): A Standard for the Transmission of IP Datagrams over Ethernet Networks



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